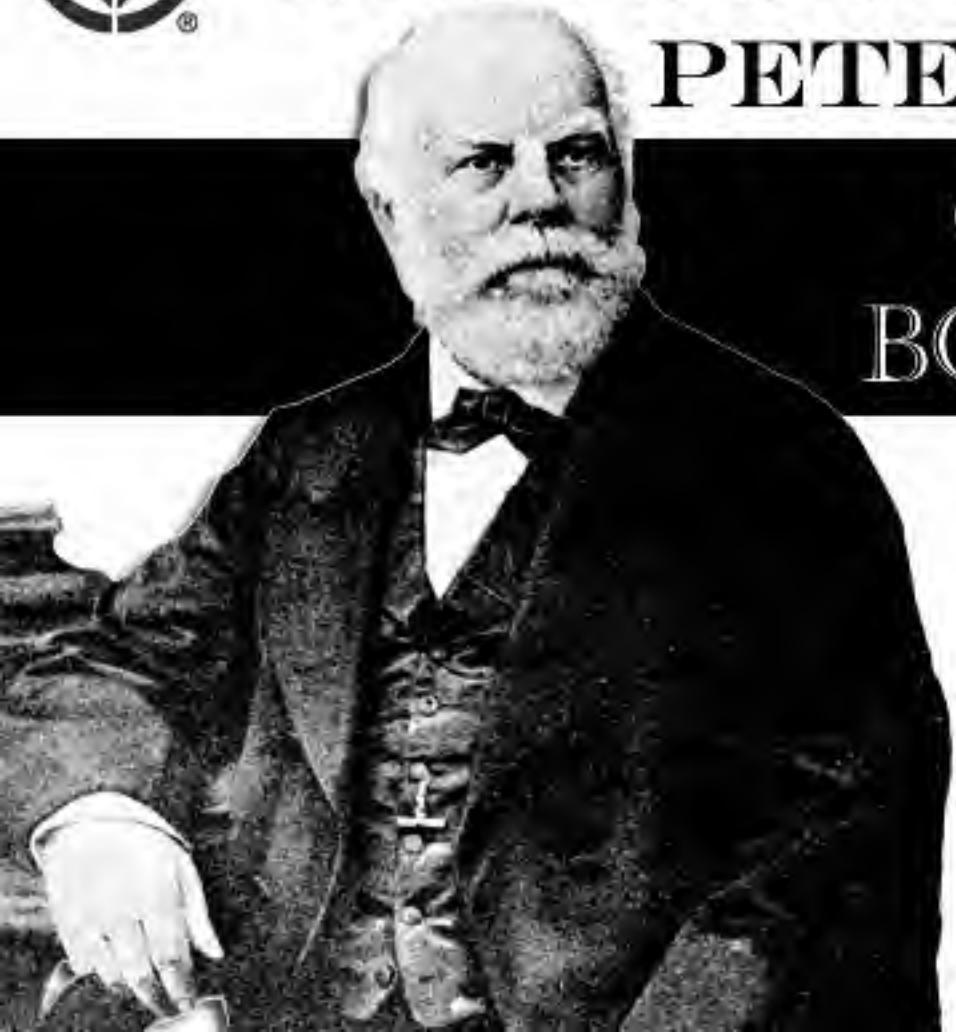




# MISSOURI BOTANICAL GARDEN

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## GEORGE ENGELMANN BOTANICAL NOTEBOOKS

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60

Cusc. p. 507

C. Gronovii will be!u. C. vulgivaga New Hampshirev. C. vulgivaga Adamsw. C. vulgivaga & Sauvagei in fruit.x. C. Sauvagei (Gronovii, ~~part~~<sup>explanata</sup>

48 raised from Drummond's seeds H. Hook.

Portulaca  
calycata

Portulaca

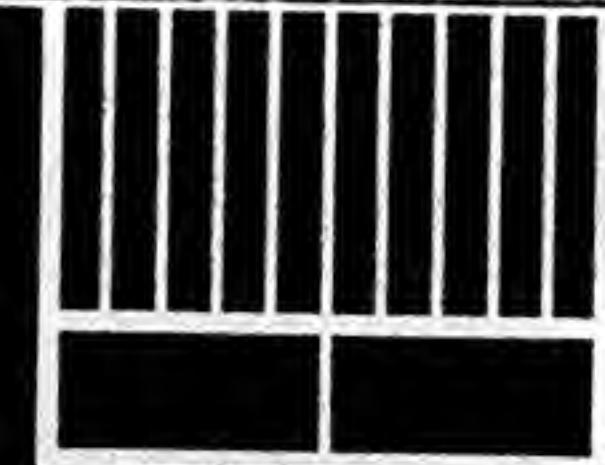
Ceratodon

seed oblong

bit oblong

short  
of paper.

(Enclosed 882-48)



0 1 2 3 4 5 6 7 8 9 10  
cm

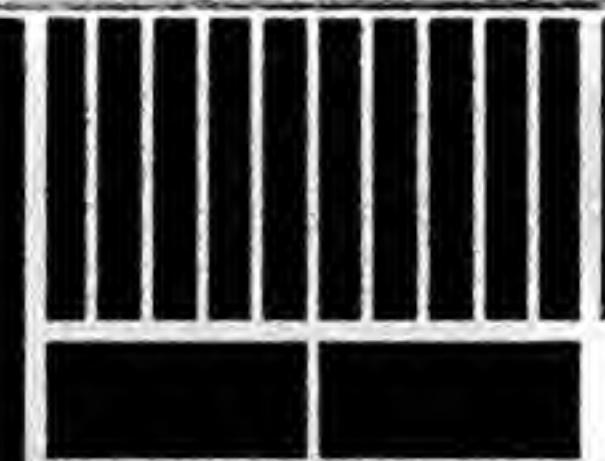
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*C. Gronovii* Wills Hb № 3160 ~~and~~ Sept.  
*C. umbrosum* Bign. Hess! - W. Goetting. Georgia  
*C. vulgaris* L. - Willd.!<sup>gap</sup>  
~~*C. Amerusum*~~ and Am.  
*C. polyantha* Schulte. R. Reg.

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var *plana* ?  
*C. Saueri* Payt!



0 1 2 3 4 5 6 7 8 9 10  
cm

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C. umbrosa Hook. flwr - part 4907  
C. umbrosa Torn fl. N.Y. N.Y.  
Cetinae var.

Sept.  
George  
Sav

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cm

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cm

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25. 6

*C. Grootei* ~~*savar*~~ *calyptata*  
*C. bonariensis*

7. *C. bonariensis*" Hort. Carlsruhe

" *C. chilensis* Hort. Leyburg.

6. Embryo

(Enclosed 441-188)



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cm

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4908

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0 1 2 3 4 5 6 7 8 9 10

cm

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51 C. Gronovii Wild herb! Rock & Shull.

America borealis tota (cis montane)

Cuscuta Americana Lin pro parte

C. umbrosa Breynei herb Becki Goettig Hook

C. umbrosa Hooker fl. bor. Am. pro parte

C. vulgaris Regel! - Will-Journ

C. polyantha Shull! - Pl. Regel

var. Explanata C. Saemurii Regel in Will-Journ



0

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cm

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4909

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0 1 2 3 4 5 6 7 8 9 10

cm

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*Curruca Gronovii* van Hosteus is

*C. bonariensis* Hort. Carlsruhe. et al.

*C. Chileensis* Hort Freiburg. et al.

*C. tenuiflora* Hort Gott. Freiburg.



0 1 2 3 4 5 6 7 8 9 10  
cm

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4910

33

parviflora

- 32

parviflora

var. tenuilla

s. *gigantea* *obtusa*

*H. microphylla*

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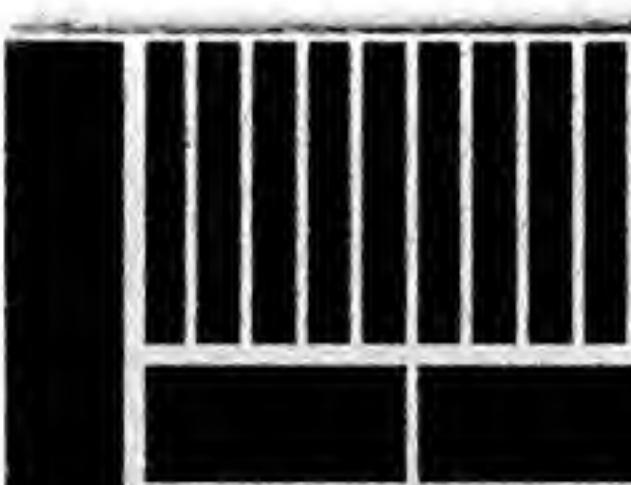
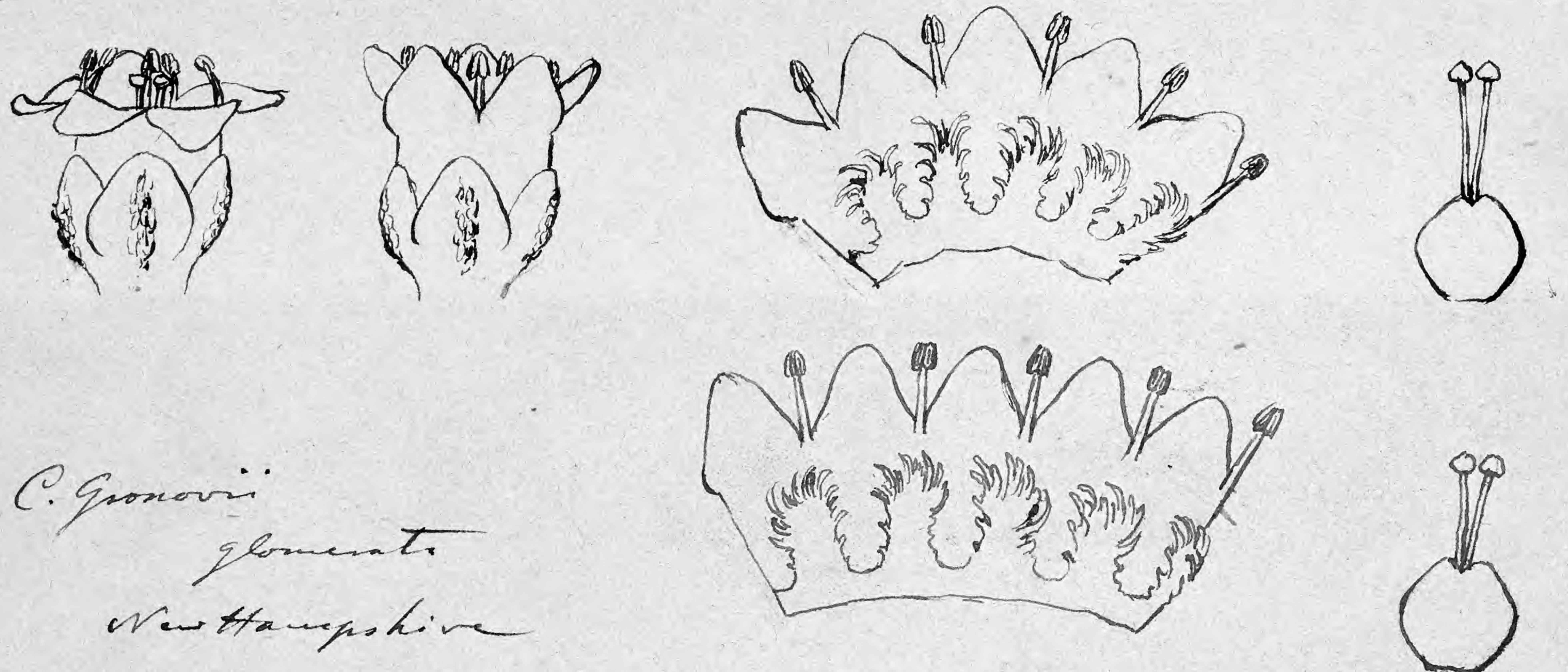
0 1 2 3 4 5 6 7 8 9 10  
cm

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BOTANICAL  
GARDEN

1862  
u/



0 1 2 3 4 5 6 7 8 9 10  
cm

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0 1 2 3 4 5 6 7 8 9 10

cm

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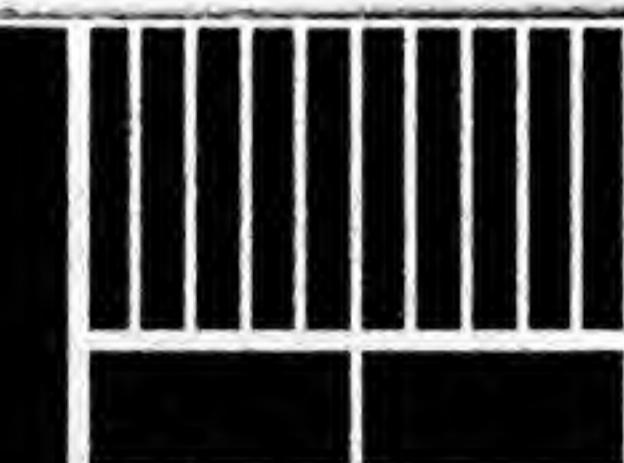
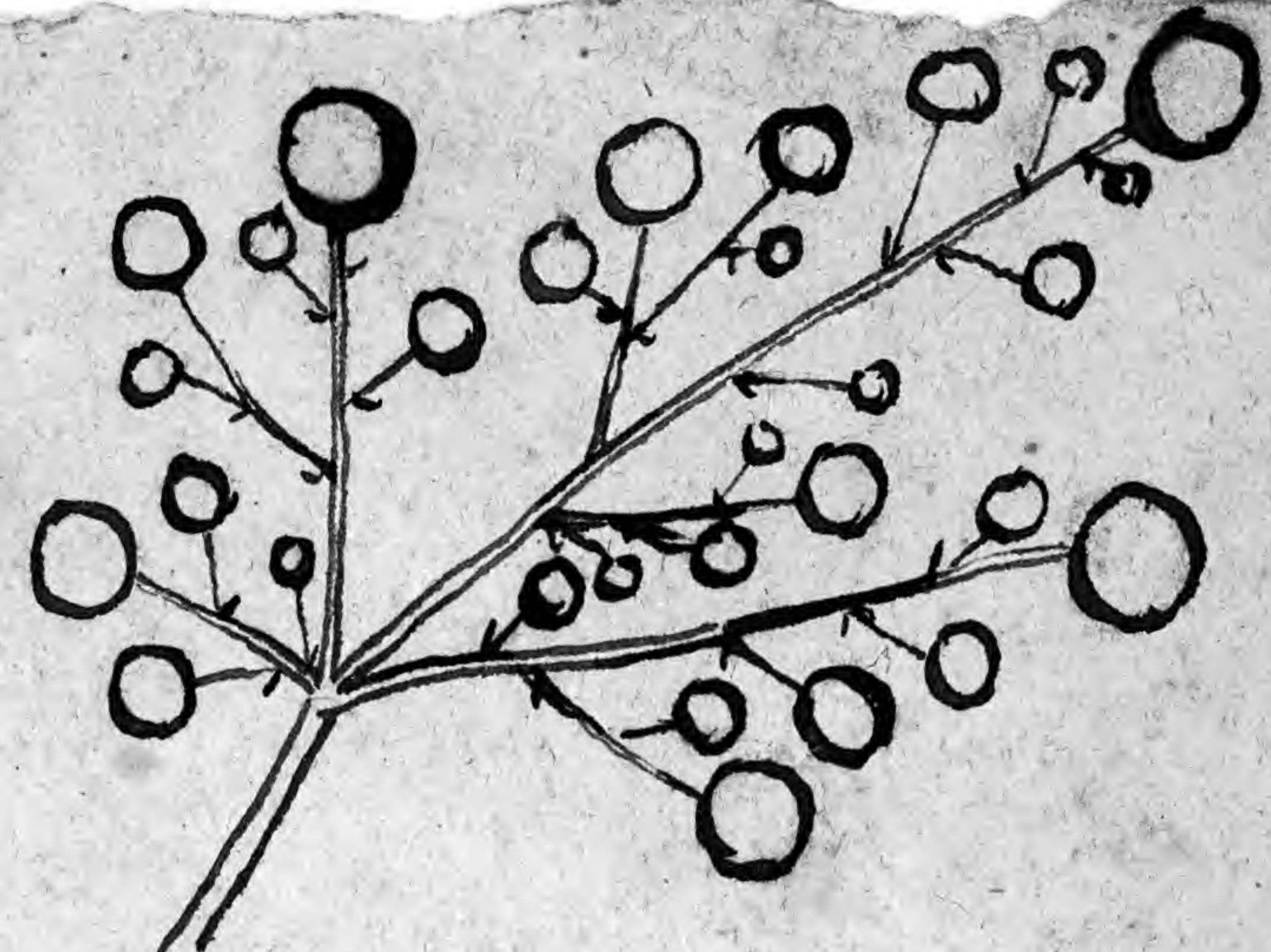
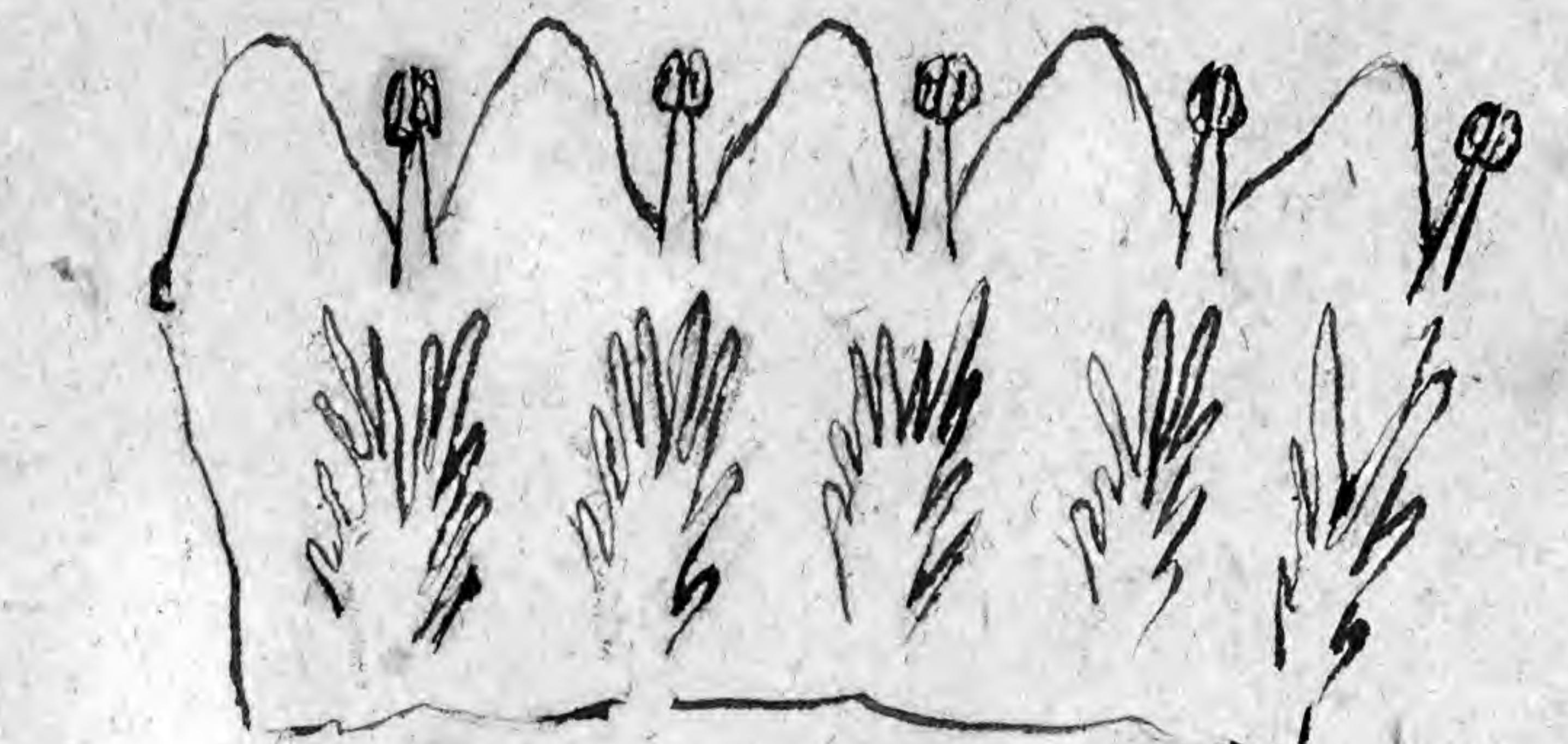
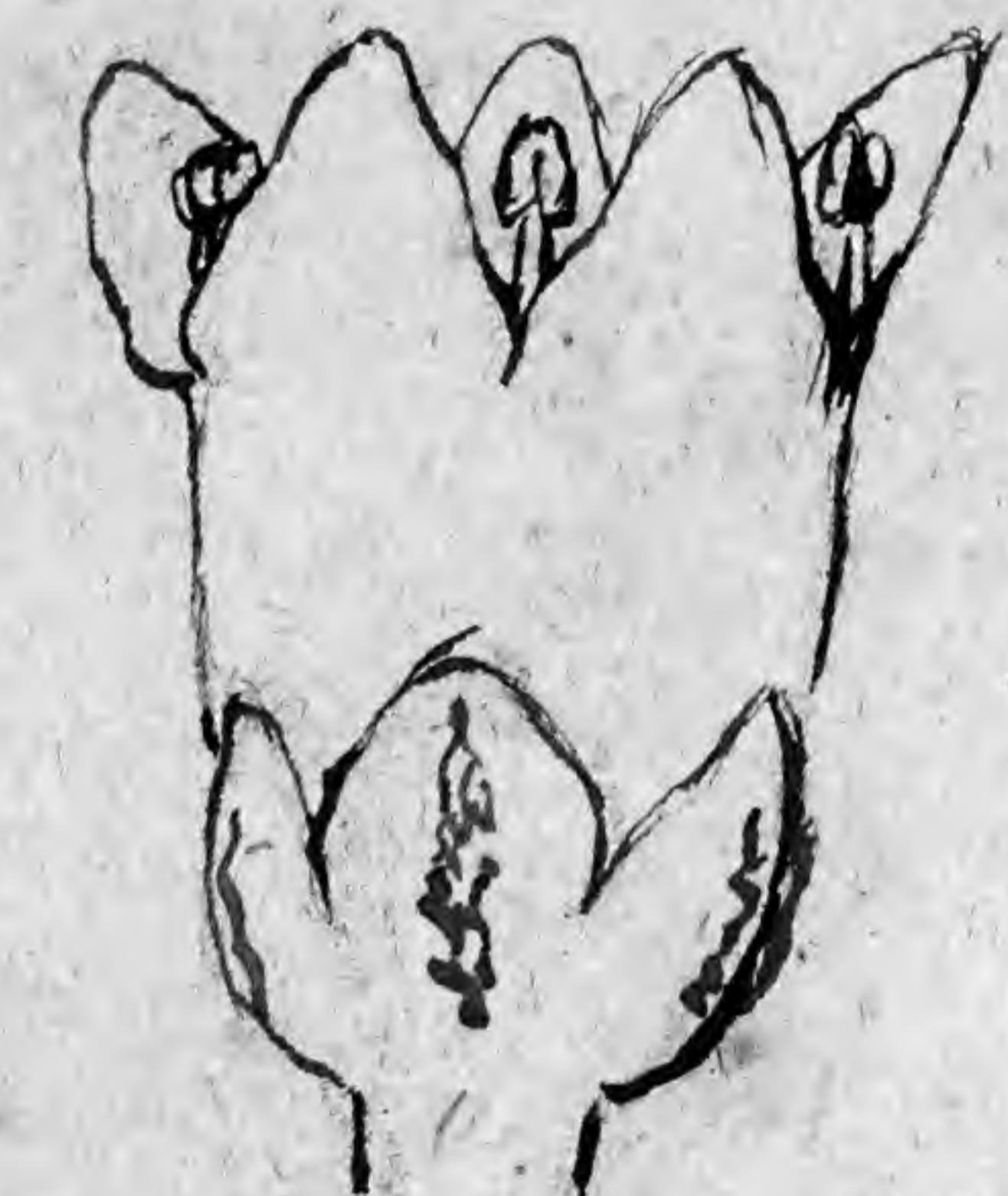
MISSOURI  
BOTANICAL  
GARDEN

2/1842

*C. Gmelini*

on Phaeolus, St Louis

ata  
flora  
s



0 1 2 3 4 5 6 7 8 9 10  
cm

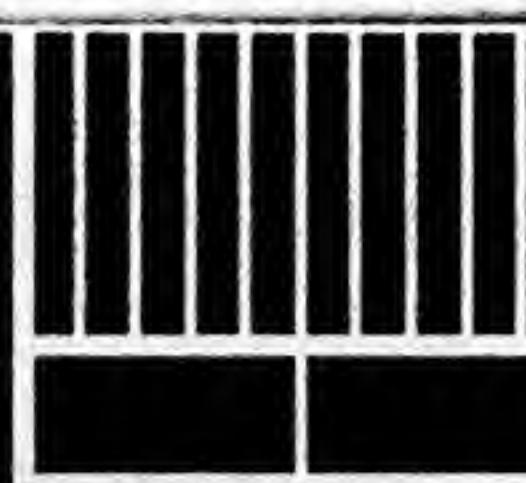
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BOTANICAL  
GARDEN

4912

GEORGE EASTMAN MUSEUM  
GEORGE EASTMAN MUSEUM



0 1 2 3 4 5 6 7 8 9 10  
cm

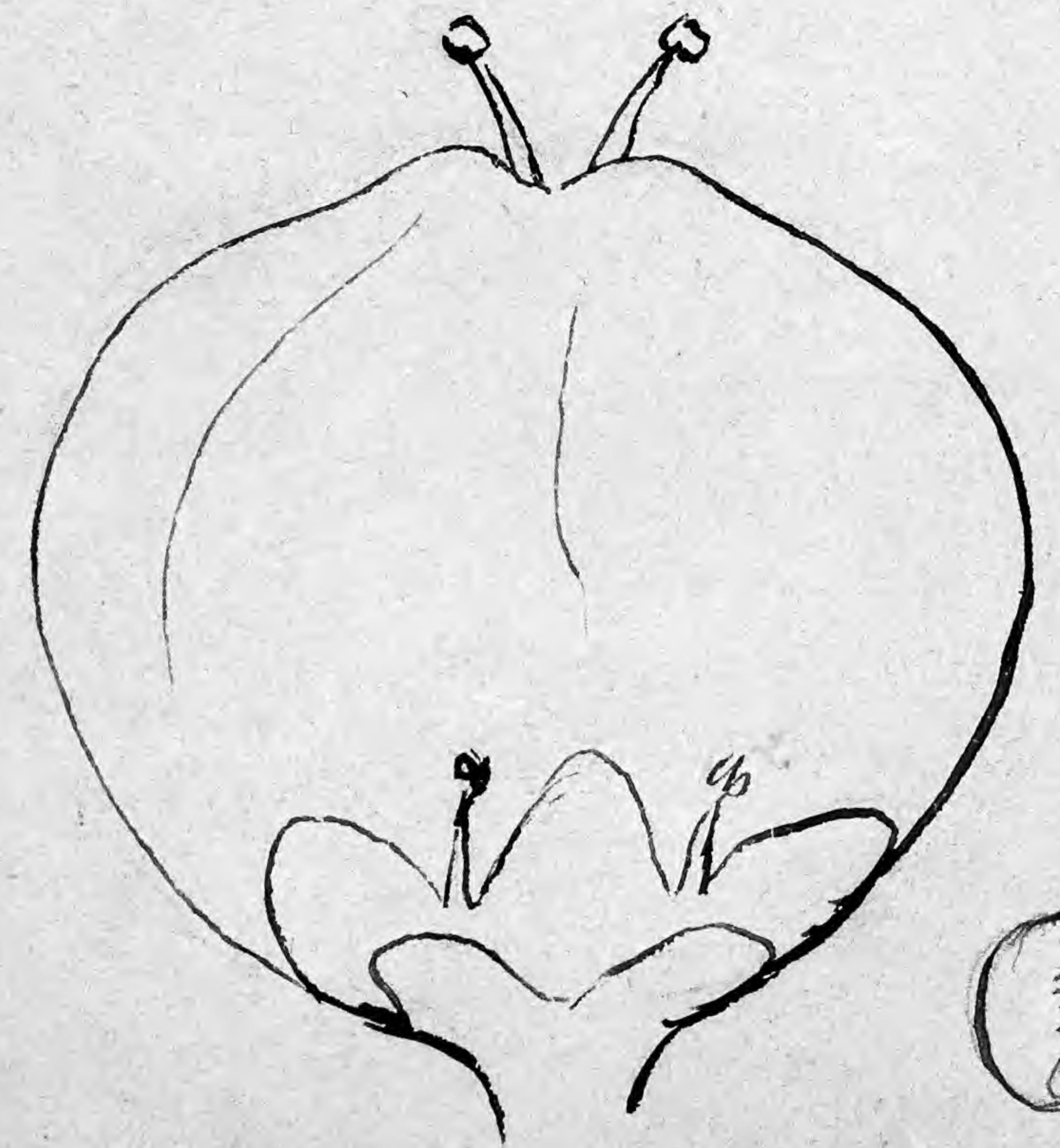
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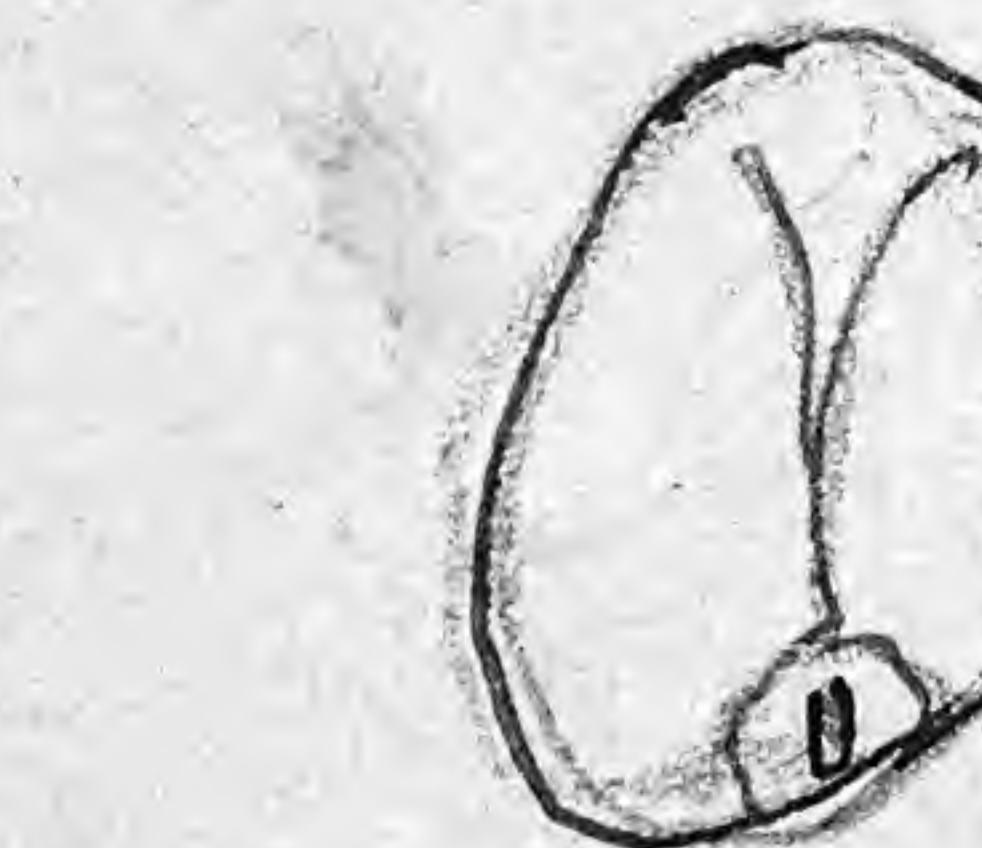
w

*C. Gronovii*



*Cuscuta umbellata Lour.*

Sept. 1842



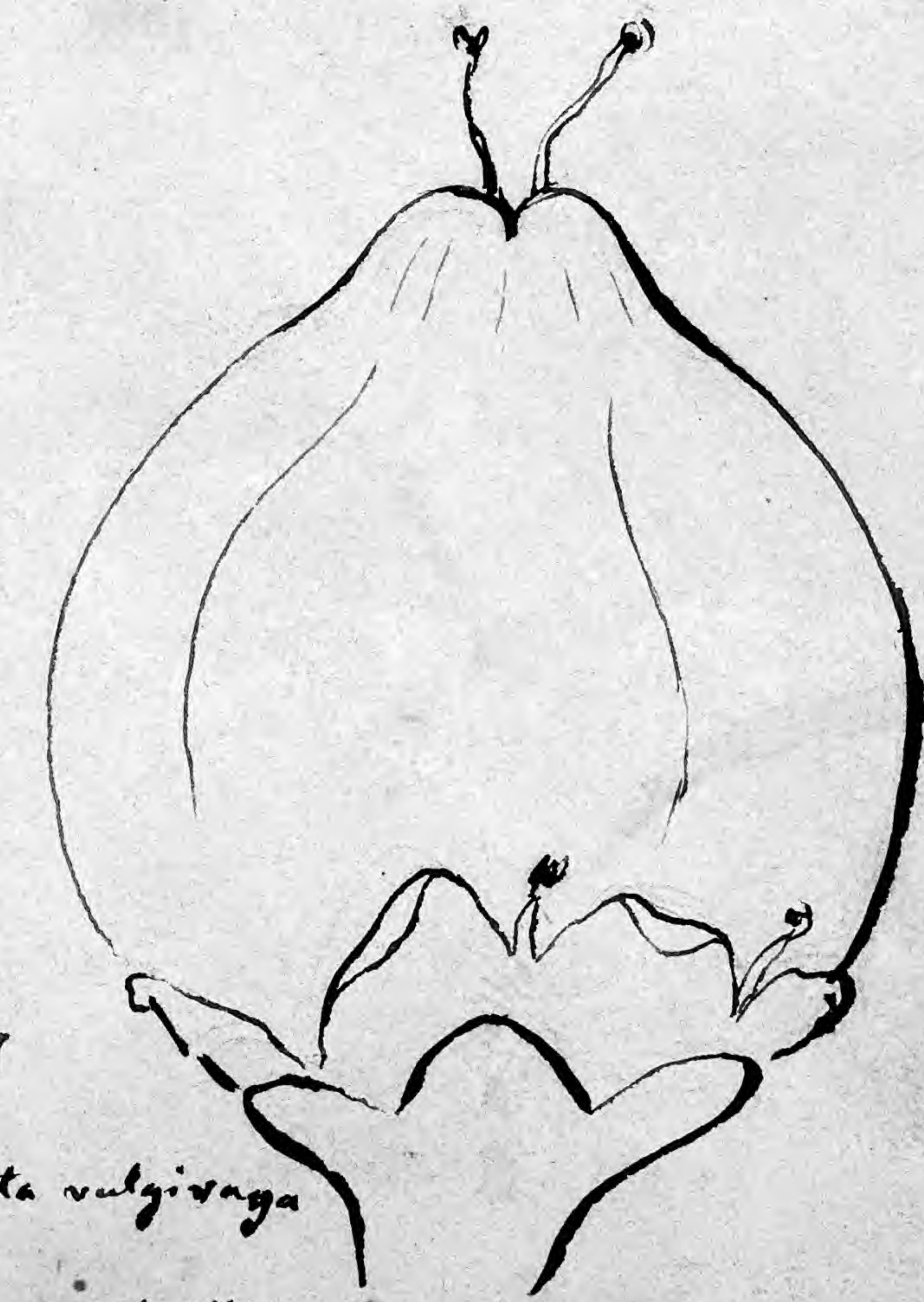
0.9



0.5



0.7



*Cuscuta vulgaris*

Oct. 1842



0 1 2 3 4 5 6 7 8 9 10  
cm

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0 1 2 3 4 5 6 7 8 9 10

cm

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2/1842

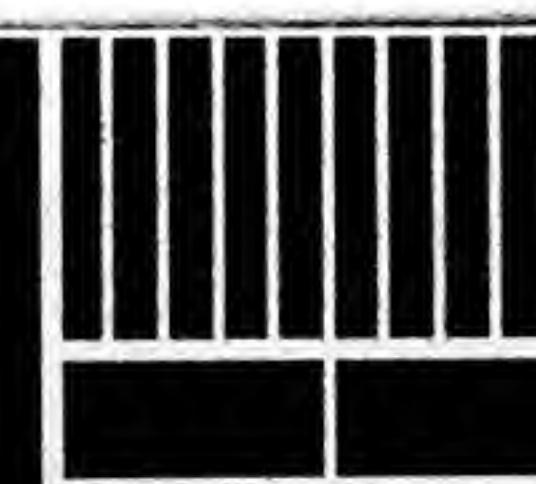
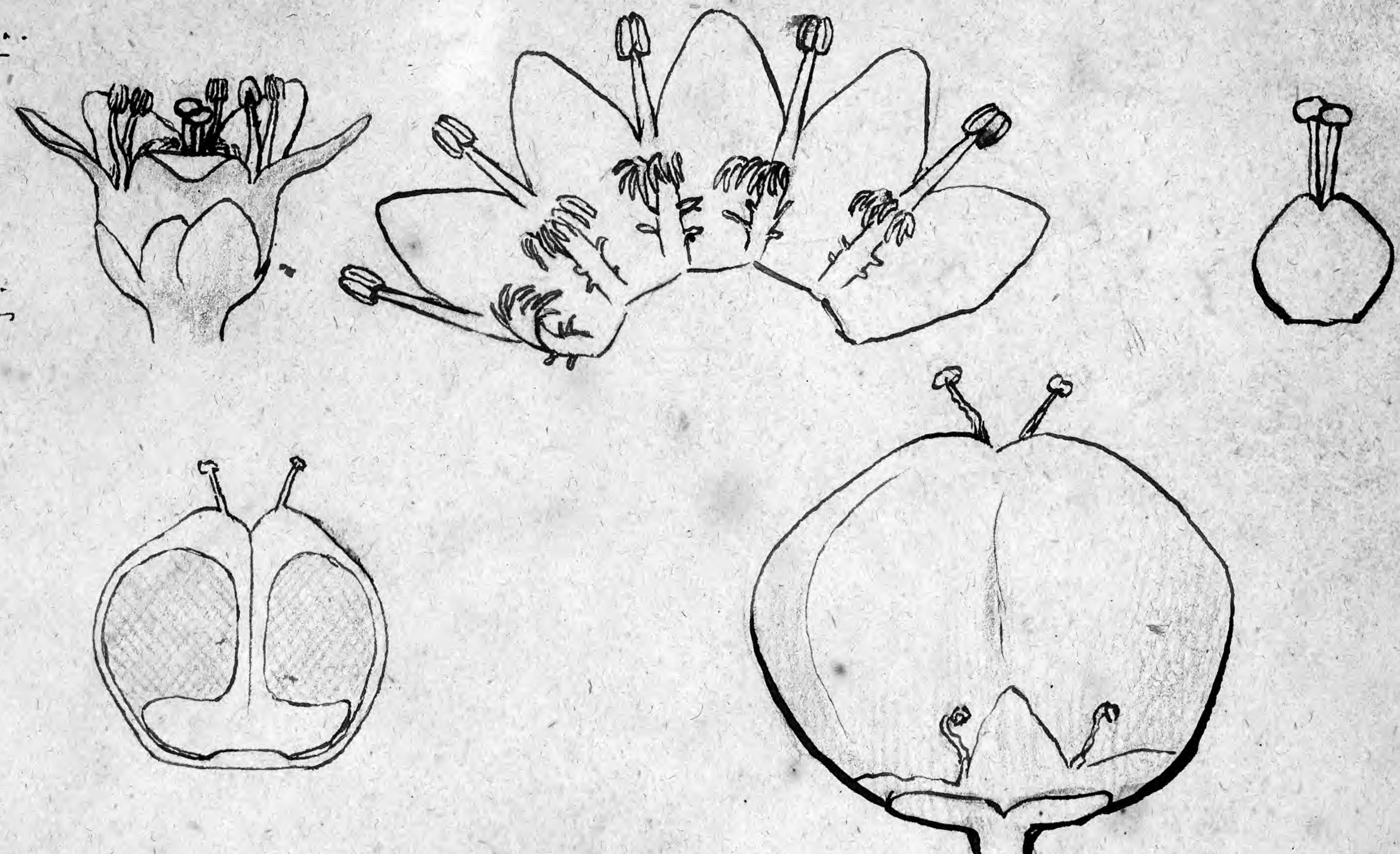
*Cassia Grossii*

var. *patens*

(*C. Sammi*)

~~uridii~~

*Shawii*



0 1 2 3 4 5 6 7 8 9 10

cm

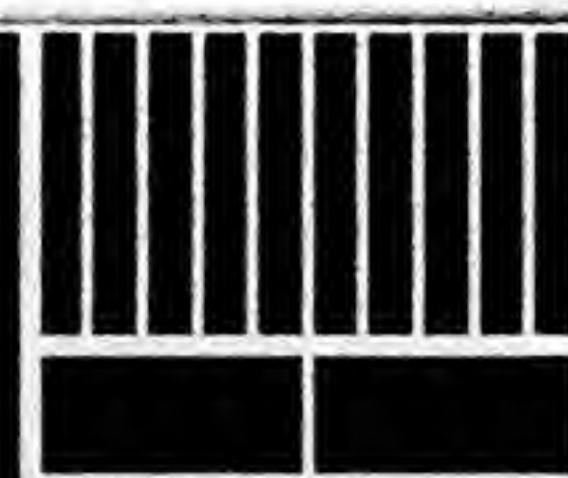
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cm

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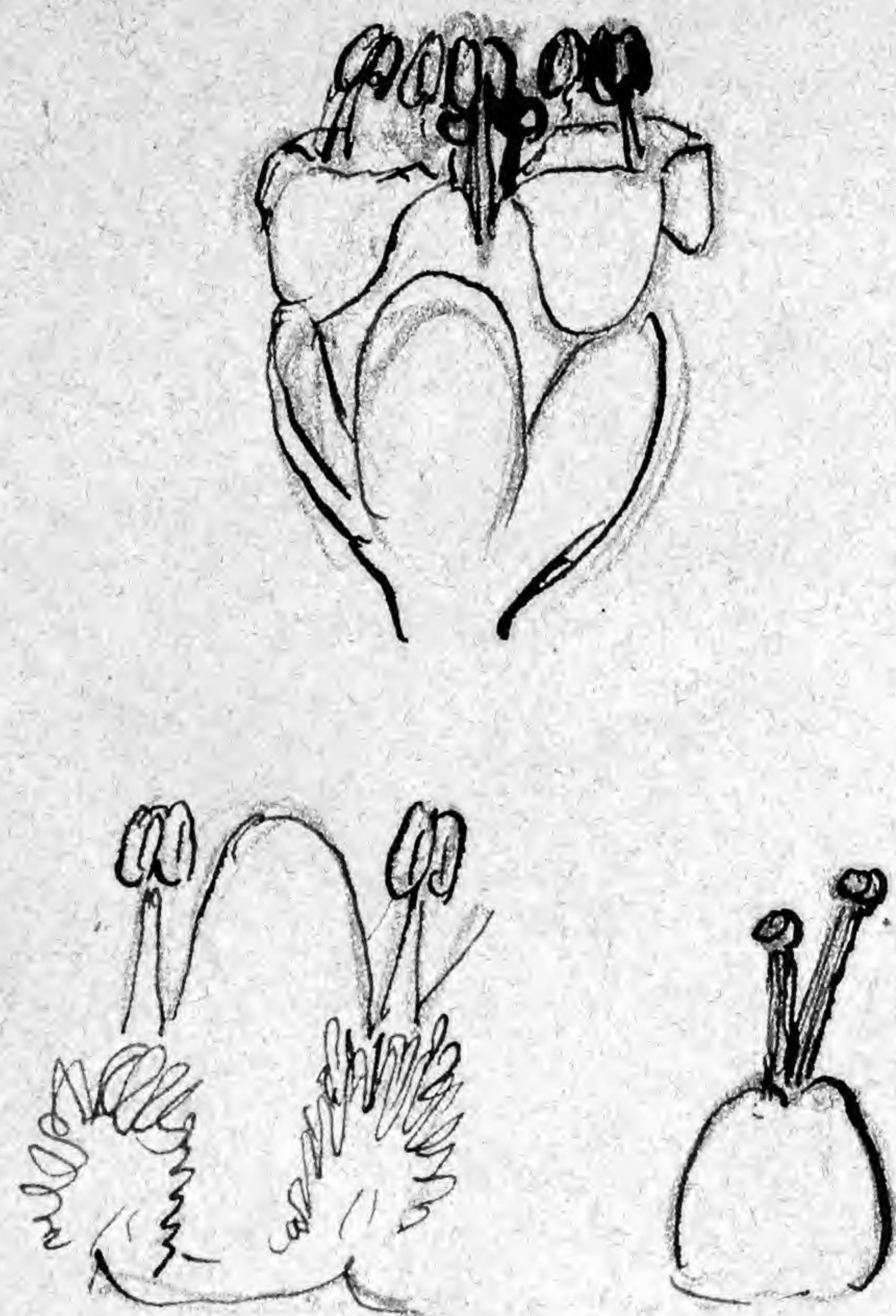
*Carex atro-granulata*

raised from Drummond's North  
American seeds - in flower

Herb. Hook 59. 6

seems to be a form of *C. Gronovii*

Calyx lobes ovate ad basin fine  
disjunctive, tube concolor subaequally  
lanceolate ovate oblique tube æqually  
reflexed, stamens two æqually longis,  
anthers ovate broader; <sup>style</sup>ovarii  
~~style~~ æquataibus; corolla ad basin  
æquale mutuas, <sup>æquata</sup>



0 1 2 3 4 5 6 7 8 9 10  
cm

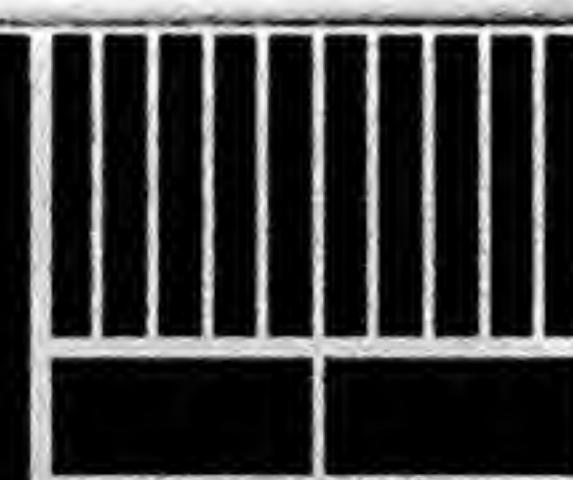
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cm

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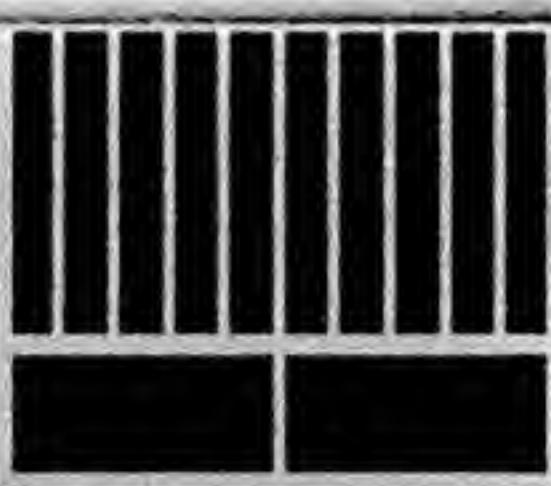


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*Cuscuta polyantha* Shattlevorth n. sp.  
*praevertens ad Rubos*, Coosa, Alabama

Angel leg Sept 1843

This is a form of *C. Grisebachii* with  
small, very numerous, rather lax but  
at last crowded flowers.



0 1 2 3 4 5 6 7 8 9 10

cm

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0 1 2 3 4 5 6 7 8 9 10  
cm

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Gossowii

*Cass. umbrosa* Begr.

- Her. Goett's & And.

8 Hooker

for Tennessee & Georgia

Begoniidae

Leoth = *C. Gossowii*

Reading, Bischoff - on Impatiens (is it not *Ornithogalum*?  
by mistake a *gut*?  
Thompson - Gregg have stell on top of open -  
oppone)



0 1 2 3 4 5 6 7 8 9 10

cm

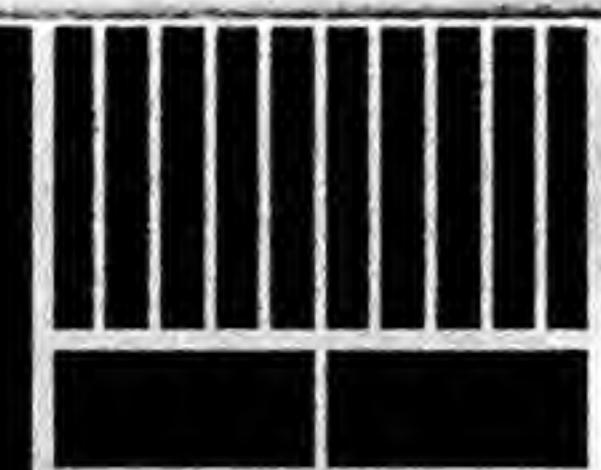
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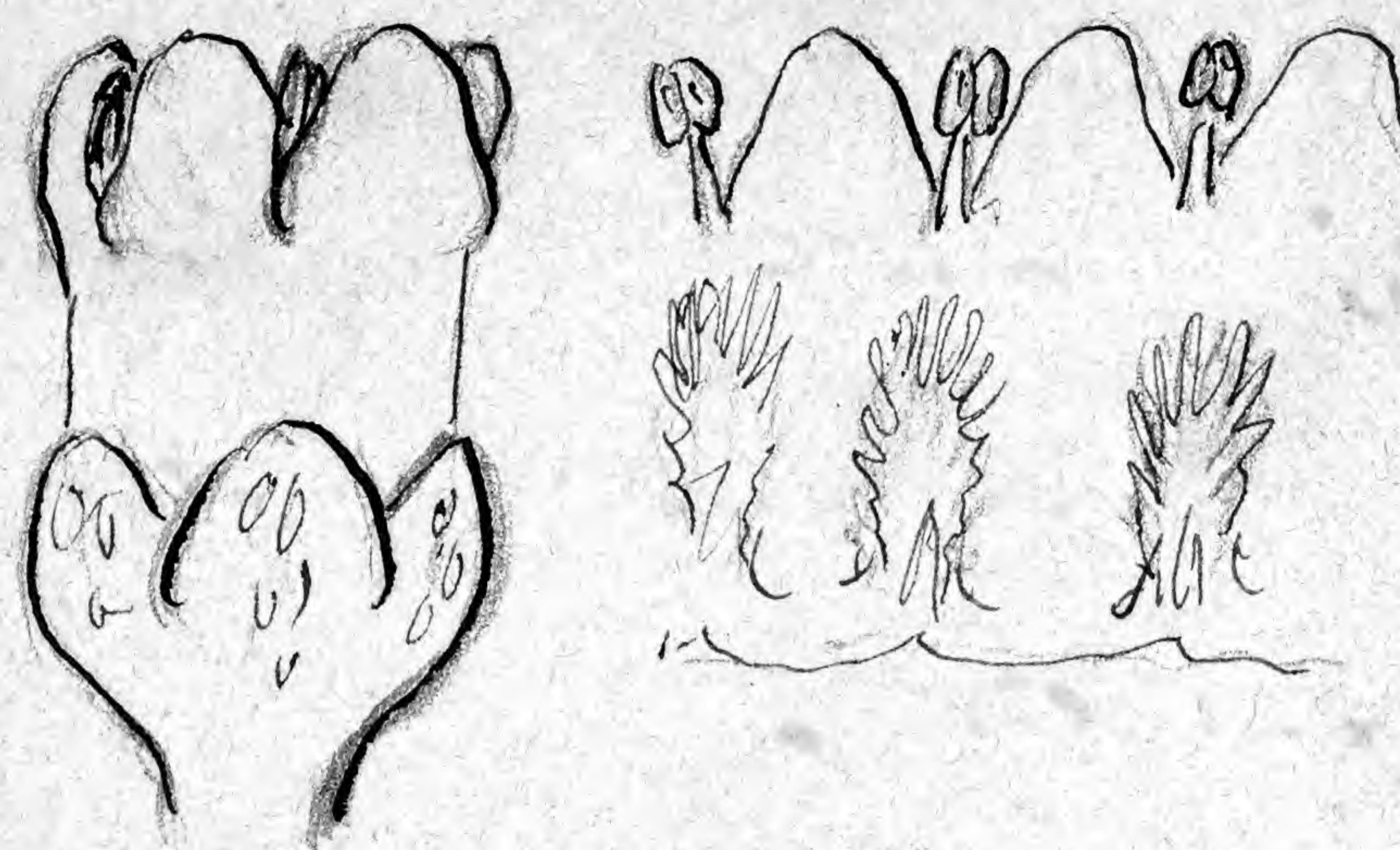
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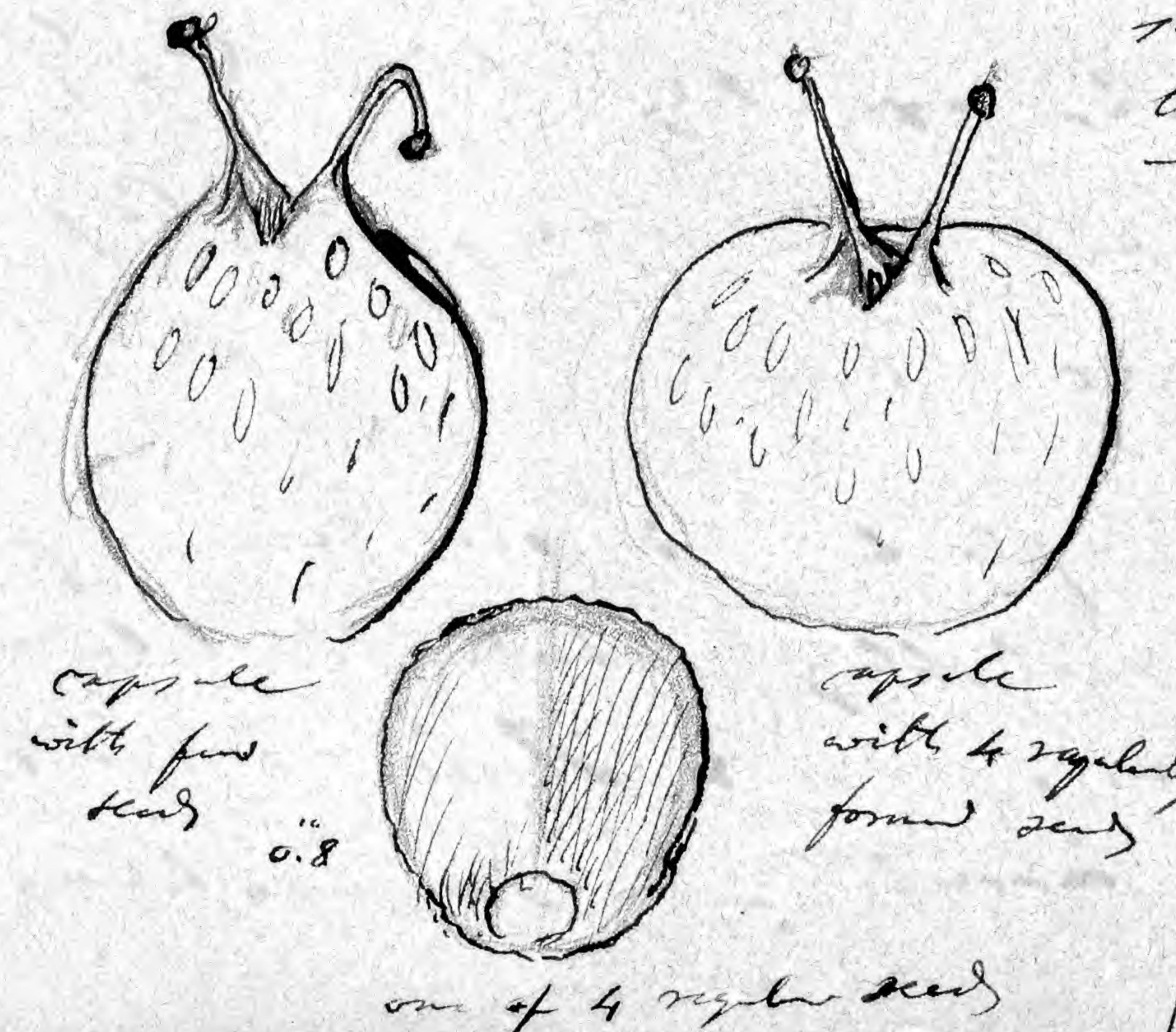
2000



17



exhort  
Austin



apple  
with few  
seeds

16

one of 4 regular read

Carrollton " the Lee in  
Kirk Cates Bogley &  
Carson

Re. ~~Acte~~ *glomeratus*  
*caeruleo pedicellatus* seu  
*tabescens* ~~et~~ *caeruleus* <sup>caerulei</sup>  
*lobis ovatis obtusis*  
*tubis corollae cylindricis*  
*l. purplea* <sup>pannata</sup>  
*exserta* *laccinaria*  
*ovatis obtusis*  
*coerolis s. patulus*  
*l. mucronata*  
*tubis divaricatis*  
*brachioribus*  
*staminibus paucis*  
*brachioribus paucis*  
*ovatis*  
regulare  
caeruleum



0 1 2 3 4 5 6 7 8 9 10  
cm copyright reserved



# MISSOURI BOTANICAL GARDEN

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# specimen ~~var~~ novit, taken non inventitibus, ad  
connatur, ~~apicem~~ *Stylos* *var* *Vasegittis*, *insolens*  
capitula barbare persistentes, corolla ad apicem  
mucronis obtusus, scutellis venosum orato obvoluta  
impressio obscurae angulata.

This looks exactly like *C. Gronovii*, but  
Corolla persistit at apex of Capsule  
and 0.7-0.9 cm.

MISSOURI BOTANICAL GARDEN  
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4918



0

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cm

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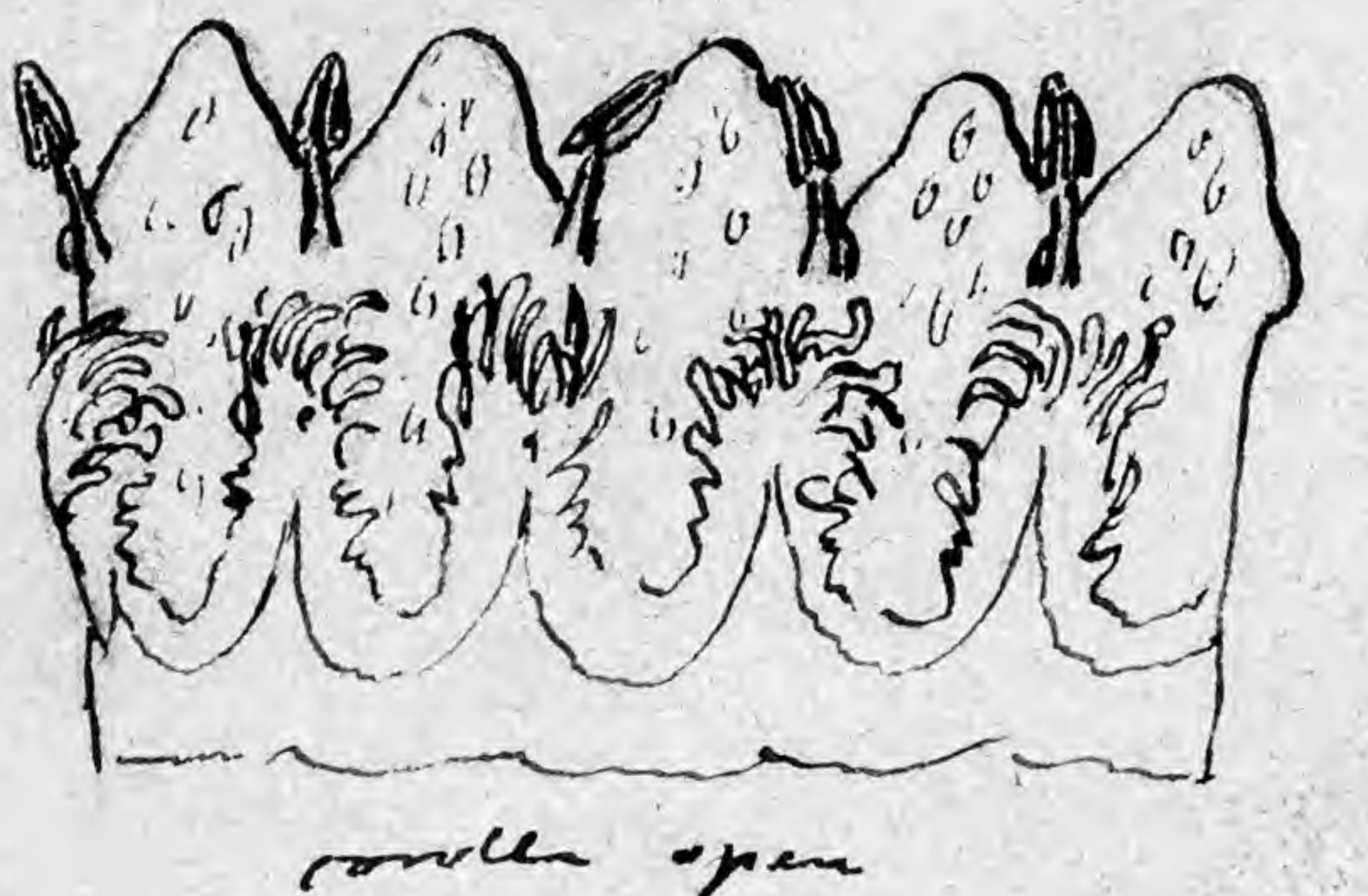
MISSOURI  
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GARDEN

1863

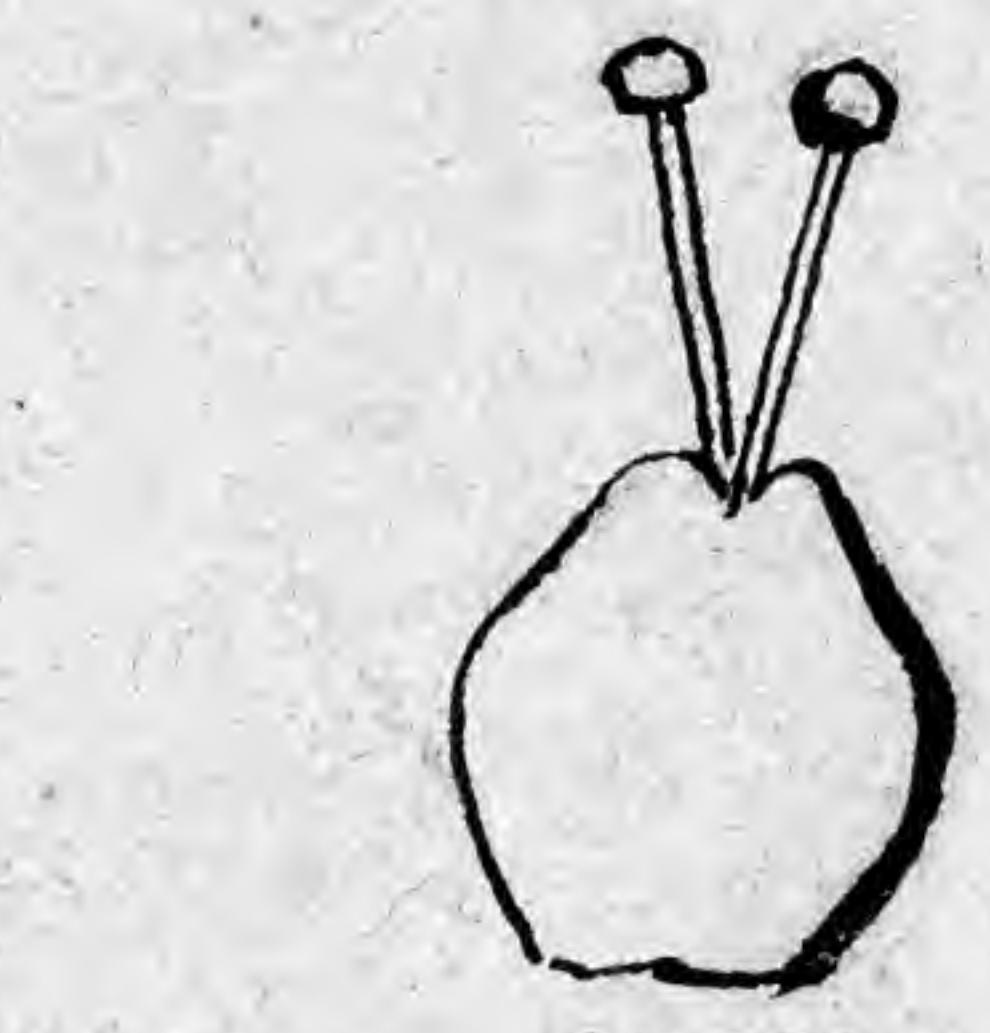
y)



plant with a crust.



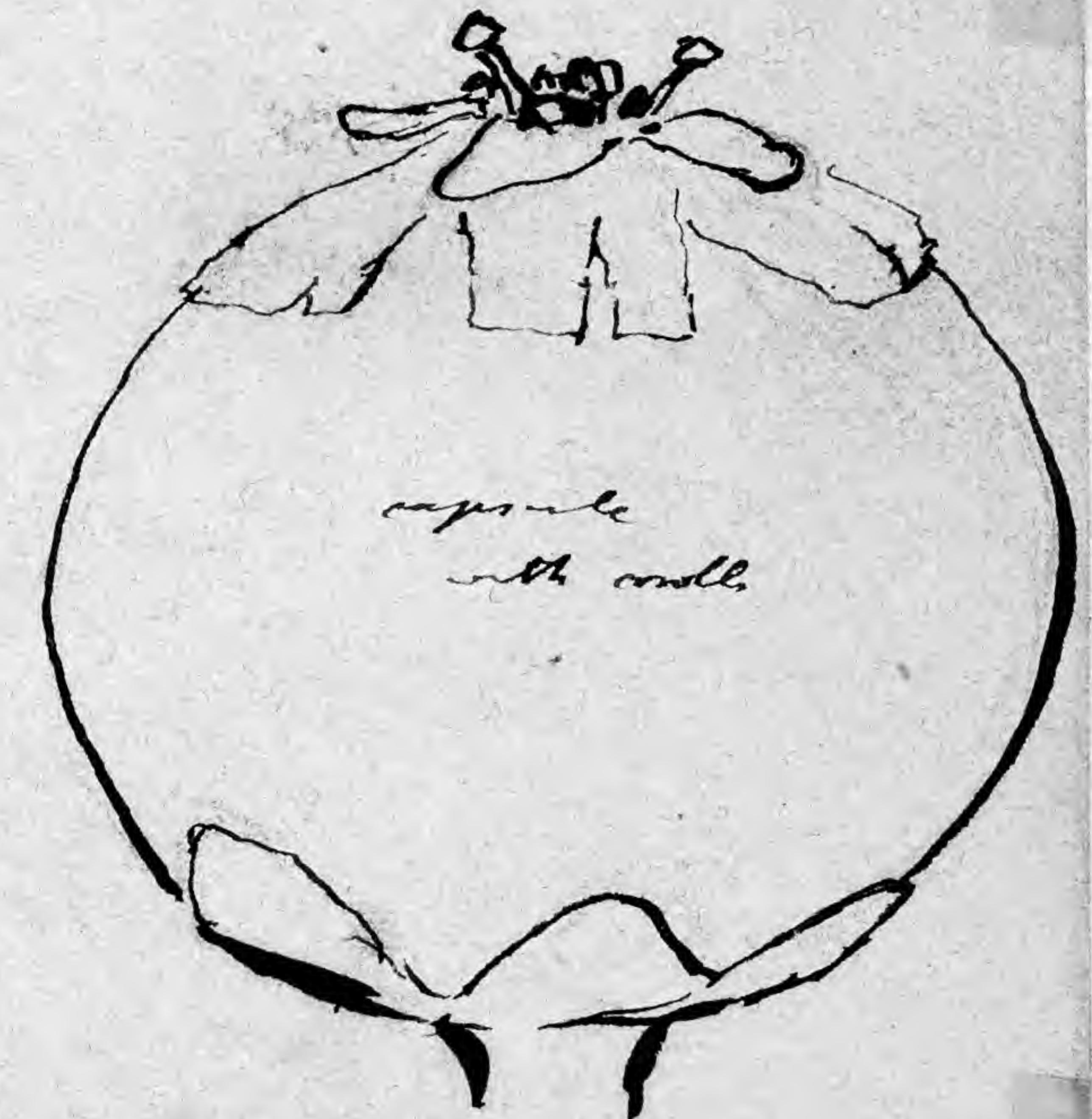
ovule open



ovary



top of capsule



0 1 2 3 4 5 6 7 8 9 10  
cm

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0 1 2 3 4 5 6 7 8 9 10  
cm

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*Cero. Donacifolius* var *hastatum*  
from South America? I have not  
met with it in any herbarium wild! \*  
is it a form of *gracilis*?  
The Ready specimen is remarkable;  
it and those from Skarwepka are  
the only ones seen by me with some  
what stiffish caps like  
\* or does my *idibus* = mistake  
belong here? M 116 x 44



0 1 2 3 4 5 6 7 8 9 10  
cm

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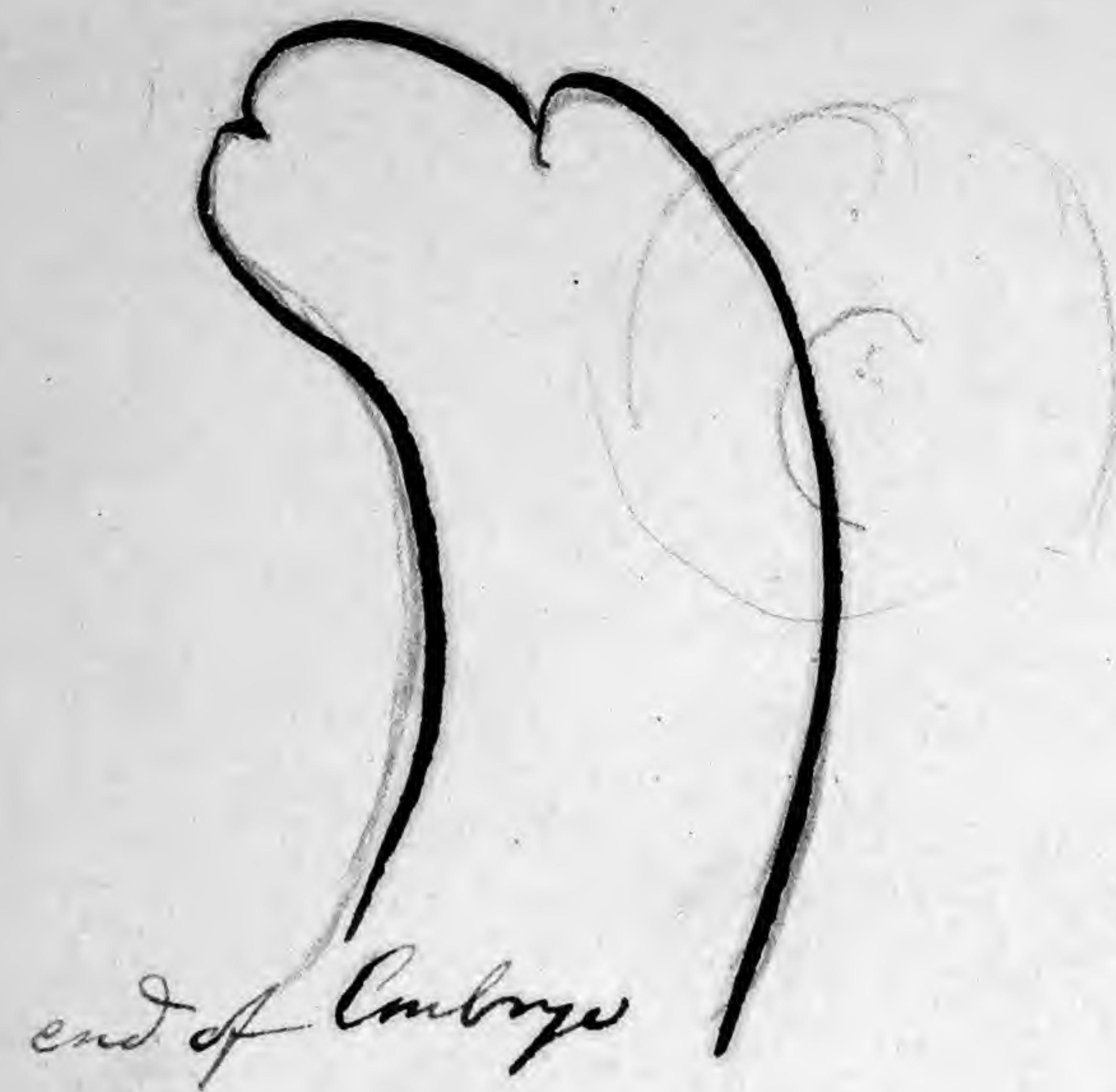
cm

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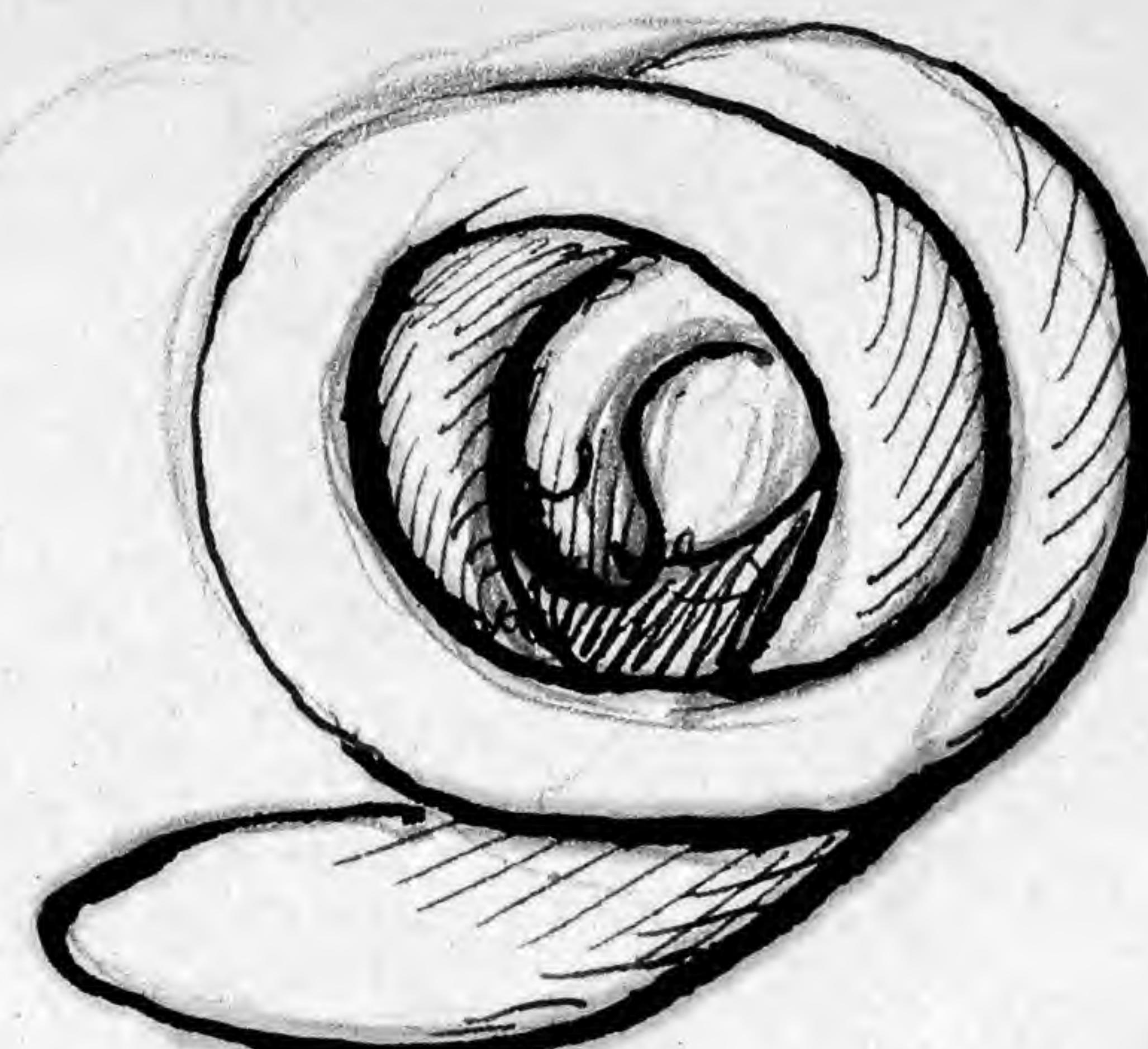
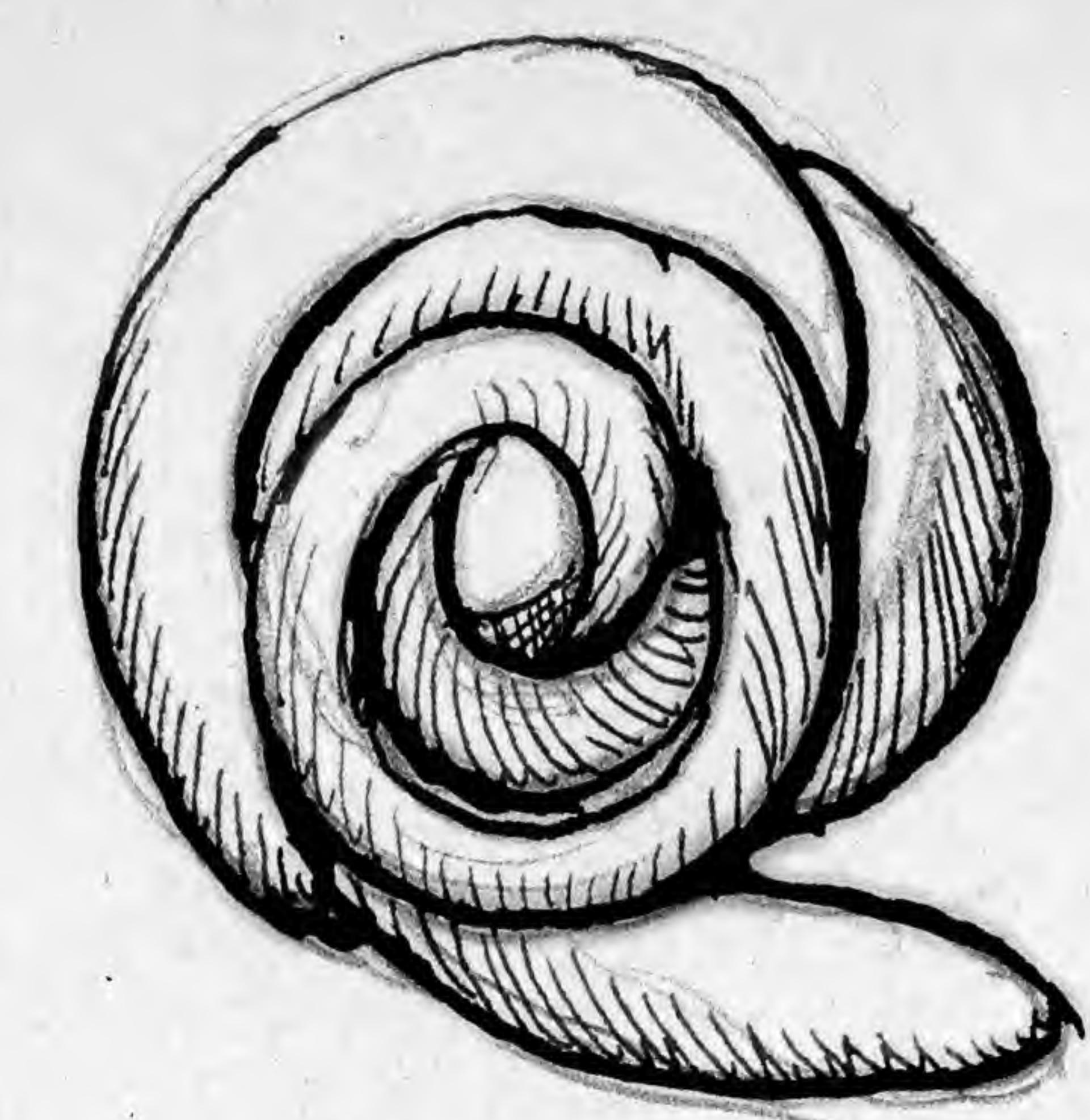


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4. 6.



end of embryo



Embryo of *C. bonariensis* is  
as often seen in this plant.  
Embryo 5-6 cm. long,  
~~to~~ <sup>in</sup> forms 4 or more volutes,  
often irregularly contort.



0

1

2

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cm

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0 1 2 3 4 5 6 7 8 9 10

cm

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